

# FishBiotec. Co., Ltd.



- ❑ Address: Toyonaka City, Osaka Prefecture
- ❑ Employees: 8
- ❑ Established in 2017
- ❑ Business: 1. Development of seedling production 2. Smart aquaculture 3. Development of next-generation feed, etc.

<https://fiotec.jp/>

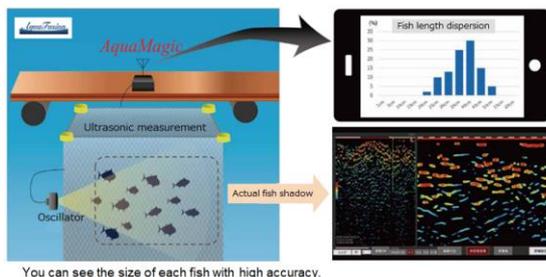
## Outline of the demonstration project

- Development and demonstration projects of the Production Management System with farm-raised tilapia utilizing a digital transformation(DX) for building the aquaculture economics in Cambodia.

## Cooperation with local companies/governments

- Local partner: Rainbow Progress Enterprise Co., Ltd.
- Details of cooperation and collaboration: Using the aquaculture management system developed in our own aquaculture facilities in Cambodia, the demonstration of aquaculture is conducted as our outsourcing partner.

Measure the length of the fish in the aquarium with sonar. Check at any time, anywhere!



You can see the size of each fish with high accuracy.

## Targeted economic/social issues

- In Cambodia, the fisheries industry is an important industry that accounts for about 10% of GDP.
- The importance of aquaculture is increasing as the problem of overfishing, which accounts for two-thirds of the total catch, and environmental pollution in the sea and rivers are becoming more serious.
- However, the modernization of aquaculture has been delayed, and there is an urgent need to improve productivity and establish a system for processing and sales.

## Details of demonstration

- Development of a system for tilapia based on the aquaculture management system that has already been developed for another fish species at our own facilities in Japan.
- The system detects and records water temperature, turbidity, PH, etc. using sensors, and notifies producers when abnormal values are detected. The accuracy of the system will be improved through the demonstration. After this demonstration, we plan to develop a system to make breeding proposals with AI for further improvement of productivity and quality.

## Expected outcome of beneficiary effects

- Fish currently discarded in the production/processing process can be converted into fishmeal and used as feed for aquaculture, which contributes to increasing profits.
- By improving the efficiency and quality, and the commercialization of aquaculture, new entrants and investments are stimulated, leading to the establishment of an aquaculture economy in Cambodia, with expansion of new businesses.